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CENTRAL INTELLIGENCE AGENCY

REPORT NO.

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25X1A

COUNTRY USSR (Leningrad Oblast)

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SUBJECT Observations in Optical Plant
 No. 448 in Leningrad

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ACQUIRED 

NO. OF ENCLS. 3
(LISTED BELOW)

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SOURCES:

1. Location: See Annex 1.
2. Designation: Plant No. 448
3. The plant was built roughly between 1923 and 1925. It was partly destroyed in World War II but later reconstructed.
4. Layout: See sketches 2 and 4.

The plant had four about 75 x 20-meter workshops including a former hangar which was used for a storage shed. Other installations were a boiler house with three boilers, a sawmill, an administration, and a galvanizing plant.

5. Work force: 400 Soviets working one shift.
6. Output:

One truck loaded with about 100 small boxes left the plant every day.

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The instrument reproduced in sketch 3 was seen several times. From the lenses fitted in the two openings source inferred that it was a periscope. He said he saw the same object during a six-day stay in Plant No. 218. Another instrument about 5 cm long and 8 cm in diameter, with various scales such as voltmeters or ammeters, was also seen.

7. Security measures:

A three-meter board fence with searchlight stations.

8. Power supply:

Power was supplied by a transmission line coming from the direction of the artillery barracks. The power plant is said to be nearby.

9. Location: See Annex 3, sketch 4.

10. Layout: See Annex 3, sketch 4.

11. Work force: About 300 Soviets, including 40 percent women, working one shift.

12. Production:

Float-like devices (see Annex 3, sketch 5) were seen in workshop (b). Radio sets were probably manufactured in building (c), since source had to carry plastic casings 4 to 12 cm in diameter and about 5 cm long to the scrap heap. Soviets said that radio sets were also being built.

13. Power supply:

From without by a transmission line (Annex 3, sketch 4).

14. Shipments:

Flat iron and black iron pipes 3 to 6 meters long arrived. The finished products were shipped out by truck.

25X1A Comment:

- a. The existence of Optical Plant No. 458 in Leningrad was not known before.
- b. So far only Optical Plant No. 218 has been known.

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However, this plant cannot be the same as the reported plant (see para 6) and its location would not agree with the location data contained in a previous report*.

- c. The reported work force and the fact that the plant is connected to the main road only by a dirt road (sketch 4) shows that it is of only minor importance.
- d. The work pieces reproduced in sketches 3 and 5 do not permit a definite identification. It is possible that periscopes are being produced in the plant but a production of range finders for AA and naval guns is also possible.

3 Annexes, sketches on ditto: 1. Location Sketch of Plant No. 448 in Leningrad.

2. Layout Sketch of Plant No. 448.

3. Sketch 4: Location Sketch of Plant No. 448; and Sketch 5: Float-like Instruments Produced in Optical Plant No. 448.

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Legend of Annex 3:

Sketch 4: Location sketch of Plant No. 448

- 1 Southern perimeter of Leningrad
- 2 Artery road with a double-track streetcar line
- 3 Detached settlement houses along the road
- 4 Dirt road to Plant No. 448
- 5 Plant No. 448
 - a Guardhouse and administration, a 50 x 15 - meter brick building
 - b Workshop with a vaulted roof and skylights, about 30 meters square, equipped with 10 eccentric punching machines, 2 electric furnaces 60 x 60 x 100 cm and some lathes
 - c Two-story 70 x 15 - meter building, probably a mechanical shop. Mostly turning chips were seen on the scrap heap in front of this shop.
 - d Building in the same size as c, not completed
 - e Old hangar, 40 meters square, now a materials depot
 - f 50 x 15 - meter brick building, camp for forced labor
 - g Small garage
- 6 Railroad line and unloading site
- 7 Dirt road
- 8 Railroad line, no scheduled traffic
- 9 Power transmission line
- 10 To a hill, the most advanced post reached by the German troops
- 11 Untilled terrain

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Annex

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Legend of Annex 3:

Sketch 5: Float-like Instruments Produced in Optical
Plant No. 448

- 1 Cover of thin sheet-brass
- 2 Punched lid, soldered
- 3 Soldering seam
- 4 Two pins
- 5 Side view of instrument
- 6 Pressed bow
- 7 Round pin
- 8 Side view of bow with pin
- 9 Profile of the pressed bow

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